

**Amendments to the Abstract:**

**ABSTRACT OF THE DISCLOSURE**

A bonding member ~~includes,~~ is provided, including, a ~~ceramics-ceramic~~ member having a concave portion, a metal member ~~which has~~ having a convex portion ~~fitted-corresponding~~ to the concave portion, ~~a~~ of the ceramic member. A first bonding material ~~which joins~~ a bottom portion of the concave portion of the ~~ceramics-ceramic~~ member and a tip portion of the convex portion of the metal member ~~and.~~ The first bonding material has a porous structure, including particles and a brazing filler metal, ~~that and~~ covers a corner between tip and side portions of the metal member, ~~and a.~~ A second bonding material ~~which includes~~ including a brazing filler metal ~~that joins~~ a the side portion of the concave portion of the ~~ceramics-ceramic~~ member and ~~a the~~ side portion of the convex portion of the metal member.